

**Abstract:**

5 In a process for the production of 1,2-dichloroethane from chlorine and ethene by direct chlorination, the heat developed in the direct chlorination reactor is recovered despite the low reaction temperature level.

The invention provides for a process in which the vapourous 1,2-dichloroethane from the direct chlorination reactor (3) is compressed and  
10 then fed to heat exchangers for heat recovery, the facility being characterised in that a turbo-compressor (4) is arranged downstream of the direct chlorination reactor (3) for said compression.

15 Figure 1